



May 27, 2009

Anthony and Mary Konichek
14612 9th Place NE
Shoreline, WA 98155

Re: Wetland and Stream Delineation Report

The Watershed Company Reference Number: 090501



Dear Anthony and Mary:

On May 6, 2009, Ecologist Meagan McManus and I visited the property located at 14612 9th Place NE in Shoreline, Washington. The purpose of our visit was to conduct a wetland and stream delineation study on the subject property and adjacent city property. This letter summarizes the findings of this study and details applicable federal, state, and local regulations. The following attachments are included:

- Wetland Delineation Sketch
- Wetland Determination Data Forms

Methods

The study area was evaluated for wetlands using methodology from the *Washington State Wetlands Identification and Delineation Manual* (Manual) (Washington Department of Ecology [Ecology] 1997) and the *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region* (Regional Supplement) (US Army Corps of Engineers [Corps] April 2008). Wetland boundaries were determined on the basis of an examination of vegetation, soils, and hydrology. Areas meeting the criteria set forth in the Manual and Regional Supplement were determined to be wetland. Soil, vegetation, and hydrologic parameters were sampled at several locations along the wetland boundaries to make the determination. Data points on-site are marked with yellow- and black-striped flags. We recorded data at two of these locations.

The ordinary high water mark (OHWM) of streams was determined based on the definition provided by the Washington Department of Fish and Wildlife and

WAC 220-110-020(57). The OHWM is located by examining the bed and bank physical characteristics and vegetation to ascertain the water elevation for mean annual floods. The OHWM was marked with blue- and white-striped flags. Only the encumbering sides of streams were flagged. Field observations and published information were used to classify streams.

Delineated wetlands and streams were classified using Chapter 20 of the *Shoreline Municipal Code* (SMC).

Findings

The property contains an existing single-family residence with associated patio, driveway, and landscaped lawn. There are two streams, Littles Creek and Stream B (see below), on-site and one wetland, Wetland A (see below), northeast of the subject property. The non-wetland, non-riparian vegetation consists primarily of lawn grasses and ornamental plantings. The surrounding landscape use is residential.

Wetland A

Wetland A is a riverine wetland associated with Littles Creek. All of Wetland A is located off-site, northeast of the subject property and only the potentially encumbering portion of the boundary was delineated and flagged for this study. Wetland A extends northward along the western side of Paramount Open Space. The primary sources of hydrology are overbank flooding associated with Littles Creek and a high groundwater table. There was saturation at the soil surface and a water table present 12 inches below the soil surface at the time of our visit. Soils sampled within Wetland A are a black (10YR 2/1) loam with a high organic content. Wetland A contains a forested vegetation class. While the entire wetland unit contains a dense understory of scrub-shrub and emergent vegetation, the understory in the delineated portions of Wetland A is mostly emergent. Dominant vegetation includes red alder, Himalayan blackberry, giant horsetail, creeping buttercup, and bittersweet nightshade.

Littles Creek

Littles Creek is a permanently flowing, non-fish bearing stream that originates as a piped system near NE 175th Street and 10th Avenue NE and eventually connects with Thornton Creek, which discharges into Lake Washington. Littles Creek contains no documented fish populations due to a more than 1,600-foot long culvert located at NE 133rd Street and 15th Avenue NE. The length and

flow velocity associated with the culvert acts as a fish passage barrier (City of Shoreline, *Thornton Creek Watershed Plan - Draft*, 2008). Littles Creek enters the subject property from the east through a three-foot wide concrete box culvert, then turns south and exits the property in the southeast corner of the parcel. The on-site portion of Littles Creek contains a gravelly, cobbly substrate and has been stabilized with riprap along the stream edges. The average width on-site is approximately eight feet, and the depth ranged between six inches and one foot at the time of our visit. There are two wooden footbridge crossings over the stream, one where the stream enters the property and one just before it exits the property. The primary riparian vegetation consists of red alder, sword fern, ornamental plantings, and lawn grasses that are present to the stream edge.

Stream B

Stream B is a small, seasonal, non-fish bearing stream that connects with Littles Creek near the northern boundary of the subject property. The seasonal determination was made based on the very low stream flow and poorly defined banks observed during our visit. Stream B originates from a one-foot wide, corrugated metal culvert off-site to the north of the subject property. The stream enters another one-foot wide, corrugated metal culvert just before entering the subject property and leaves the culvert at the point where it connects to Littles Creek. Stream B averages approximately three feet in width, has a muddy, unconsolidated substrate, and was very shallow (less than six inches deep) at the time of our visit.

Type
II
+ripped

Local Regulations

Wetlands in Shoreline are regulated under SMC20.80. Under the code, wetlands are rated as one of four types based on size, composition, habitat, and connectivity. Since Wetland A contains only one wetland class, is not listed on the Washington Natural Heritage Plan, and does not contain plant associations of infrequent occurrence, it is not considered a Type I wetland. Wetlands that are not Type I, are greater than one-half acre in size, and contain a forested wetland class are rated as Type II. Based on this criteria Wetland A is rated as Type II. Type II wetlands are required to have a standard buffer width of 115 feet.

Wetland buffer widths may be reduced to a minimum of 75 feet through buffer reduction with enhancement. Reduced buffers must provide for equal or greater wetland functions and can be achieved through the installation of a native plant

community and habitat features such as standing snags, large woody debris, and nesting structures [SMC 20.80.330(B)].

Buffer averaging may be applied provided the structure and function of the averaged buffer is equal or greater than the standard buffer, the total area of the buffer is not reduced, and no portion of the buffer is reduced beyond 25 percent or less than the minimum buffer (75 feet). Additionally, a habitat survey shall be required that identifies and prioritizes highly functioning habitat areas [SMC 20.80.330(F)].

Streams in Shoreline are regulated under SMC 20.80. Under the code, streams are rated as one of four types based on inventory status as "Shorelines of the State", salmonid use and habitat, and channel width. Little Creek and Stream B have a demonstrated fish passage barrier downstream and have channel widths greater than two feet. According to the code, streams that have "salmonid fish use" are defined as passable or potentially passable by salmonid populations, or streams that are planned for restoration in a six-year capital improvement plan, which will result in a fish passable connection. There are currently no plans to remove the fish passage barrier previously described ("Re: Fish in Little Creek" email reply from Kathryn Lynch, City of Seattle, Public Utilities). Based on this criteria, Streams A and B are rated as Type III streams. Type III streams are required to have a standard buffer width of 65 feet and a minimum buffer width of 35 feet [SMC 20.80.470(B)].

The standard buffer may be reduced to the minimum buffer through enhancement. Enhancement of a stream buffer in a non fish-bearing stream would include installation of habitat structures such as nesting structures, snags, logs, and native vegetation. Further enhancement can be achieved through creation of a surface channel where a stream was previously underground, in a culvert or pipe [SMC 20.80.470(C)].

Buffer averaging may be applied provided the structure and function of the averaged buffer is equal or greater than the standard buffer, the total area of the buffer is not reduced, and no portion of the buffer is reduced beyond 25 percent or less than the minimum buffer (35 feet). Additionally, a habitat survey shall be required that identifies and prioritizes highly functioning habitat areas [SMC 20.80.470(F)].

State and Federal Regulations

Wetlands and streams are also regulated by the U.S. Army Corps of Engineers (Corps) under section 404 of the Clean Water Act. Any filling of Waters of the State, including wetlands (except isolated wetlands), would require notification and permits from the Corps. Wetland A would not be considered isolated, due to its connection to Littles Creek. A formal isolated status inquiry can be requested from the Corps through the Jurisdictional Determination process. Federally permitted actions that could affect endangered species (i.e. salmon or bull trout) may also require a biological assessment study and consultation with the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service. Application for Corps permits may also require an individual 401 Water Quality Certification and Coastal Zone Management Consistency determination from Ecology.

In general, neither the Corps nor Ecology regulates wetland buffers, unless direct impacts are proposed. When direct impacts are proposed, mitigated wetlands may be required to employ buffers based on Corps and Ecology joint regulatory guidance.

Please note that the findings of this letter, including wetland classification and resulting buffer width predictions, are subject to the verification and agreement of local, state and/or federal regulatory authorities.

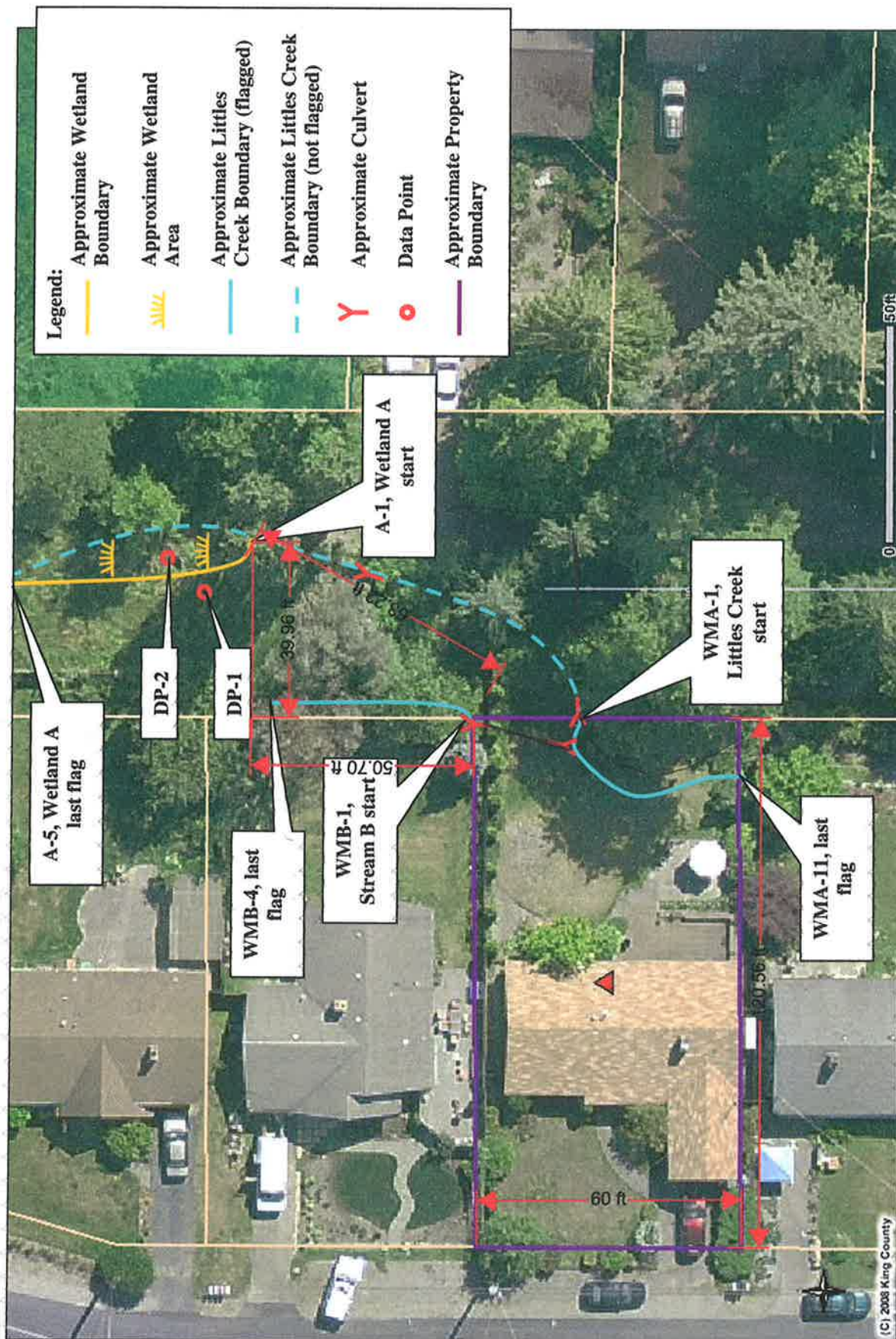
Please call if you have any questions or if we can provide you with any additional information.

Sincerely,



Ryan Kahlo
Ecologist

Enclosures



Note:
Area has not been surveyed.
All locations are approximate and not to scale.

Wetland and Stream Delineation Sketch
14612 9th Place NE, Shoreline, Washington
Prepared for Neil Erickson, NLE Design
May 6, 2009



750 Sixth Street South | Kirkland | WA 98033
 P 425.822.5242 F 425.827.8136

Project Site:	Shoreline Littles Creek Konichek Property		Sampling Date:	5/6/09	
Applicant/Owner:	Konichek		Sampling Point:	DP- 1	
Investigator:	RMK, MKM		City/County:	Shoreline/King	
Sect., Township, Range	S 17 T 26N R 5E		State:	WA	
Landform (hillslope, terrace, etc)	flat	Slope (%)	Local relief (concave, convex, none) none		
Subregion (LRR)	A	Lat	47.73469	Long	-122.31853
Soil Map Unit Name	Not Available		Datum		
			NWI classification	none	
Are climatic/hydrologic conditions on the site typical for this time of year?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Are "Normal Circumstances" present on the site?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Are Vegetation <input type="checkbox"/> , Soil <input type="checkbox"/> , or Hydrology <input type="checkbox"/> significantly disturbed?			(If no, explain in remarks.)		
Are Vegetation <input type="checkbox"/> , Soil <input type="checkbox"/> , or Hydrology <input type="checkbox"/> naturally problematic?			(If needed, explain any answers in Remarks.)		

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point within a Wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Hydric Soils Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Wetland Hydrology Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size 5m diam.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet	
1. <i>Alnus rubra</i>	20	Yes	FAC	Number of Dominant Species that are OBL, FACW, or FAC:	3 (A)
2. <i>Populus nigra</i>	25	Yes	NI	Total Number of Dominant Species Across All Strata:	4 (B)
				Percent of Dominant Species that are OBL, FACW, or FAC:	75 (A/B)
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size 3m diam.)				Prevalence Index Worksheet	
1. <i>Rubus armeniacus</i>	60	Yes	FACU	Total % Cover of _____ Multiply by	
2.				OBL species	x 1 =
3.				FACW species	x 2 =
4.				FAC species	x 3 =
5.				FACU species	x 4 =
_____ = Total Cover				UPL species	x 5 =
				Column totals	(A) (B)
Herb Stratum (Plot size 1m diam.)				Prevalence Index = B / A =	
1. <i>Taraxacum officinale</i>	20	Yes	FACU	Hydrophytic Vegetation Indicators	
2. <i>Galium aparine</i>	5	No	FACU	Yes	Dominance test is > 50%
3. <i>Ranunculus repens</i>	40	Yes	FACW		Prevalence test is ≤ 3.0 *
4. <i>Phalaris arundinacea</i>	50	Yes	FACW		Morphological Adaptations * (provide supporting data in remarks or on a separate sheet)
5. <i>Convolvulus sp.</i>	<5	No	NI		Wetland Non-Vascular Plants *
6.					Problematic Hydrophytic Vegetation * (explain)
7.				* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
8.					
9.					
10.					
11.					
_____ = Total Cover					
Woody Vine Stratum (Plot size)					
1.					
2.					
_____ = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
% Bare Ground in Herb Stratum _____					
Remarks:					

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	2.5Y 3/2	100					sandy, silty loam	
8-12	2.5Y 4/2	100					loamy sand	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Loc: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	Indicators for Problematic Hydric Soils³ <input type="checkbox"/> 2cm Muck (A10) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Other (explain in remarks)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric soil present? Yes ☐ No ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required: check all that apply):

<input type="checkbox"/> Surface water (A1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<i>Secondary Indicators (2 or more required):</i> <input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A & 4B) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) <input type="checkbox"/> Frost-Heave Hummocks
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Water-Stained Leaves (except MLRA 1, 2, 4A & 4B) (B9)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (explain in remarks)	

Field Observations

Surface Water Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth (in):	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Water Table Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth (in):	
Saturation Present? (includes capillary fringe)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth (in):	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

DP-2

Project Site:	Shoreline Little Creek Konichek Property				Sampling Date:	5/6/09			
Applicant/Owner:	Konichek				Sampling Point:	DP- 2			
Investigator:	RMK, MKM				City/County:	Shoreline/King			
Sect., Township, Range	S 17 T 26N R 5E				State:	WA			
Landform (hillslope, terrace, etc)	flat		Slope (%)		Local relief (concave, convex, none)	none			
Subregion (LRR)	A		Lat	47.73469	Long	-122.31853		Datum	
Soil Map Unit Name	Not Available				NWI classification	PFOA			
Are climatic/hydrologic conditions on the site typical for this time of year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are "Normal Circumstances" present on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are Vegetation <input type="checkbox"/> , Soil, <input type="checkbox"/> , or Hydrology <input type="checkbox"/> significantly disturbed? Are Vegetation <input type="checkbox"/> , Soil, <input type="checkbox"/> , or Hydrology <input type="checkbox"/> naturally problematic?					(If no, explain in remarks.) (If needed, explain any answers in Remarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Yes Yes Yes	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	No No No	Is this Sampling Point within a Wetland? <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <input type="checkbox"/> Yes </div> <div style="text-align: center;"> <input type="checkbox"/> No </div> </div>
Remarks:					

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size 5m diam.)				Dominance Test Worksheet	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Alnus rubra</i>	70	Yes	FAC	Number of Dominant Species that are OBL, FACW, or FAC:	5 (A)
2.				Total Number of Dominant Species Across All Strata:	5 (B)
3.				Percent of Dominant Species that are OBL, FACW, or FAC:	100 (A/B)
4.					
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size 3m diam.)				Prevalence Index Worksheet	
	Absolute % Cover	Dominant Species?	Indicator Status	Total % Cover of	Multiply by
1. <i>Rubus armeniacus</i>	30	Yes	FACU	OBL species	x 1 =
2.				FACW species	x 2 =
3.				FAC species	x 3 =
4.				FACU species	x 4 =
5.				UPL species	x 5 =
_____ = Total Cover				Column totals	(A) (B)
Herb Stratum (Plot size 1m diam.)				Prevalence Index = B / A =	
1. <i>Equisetum telmateia</i>	70	Yes	FACW	Hydrophytic Vegetation Indicators Yes Dominance test is > 50% Prevalence test is ≤ 3.0 * Morphological Adaptations * (provide supporting data in remarks or on a separate sheet) Wetland Non-Vascular Plants * Problematic Hydrophytic Vegetation * (explain) * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Ranunculus repens</i>	50	Yes	FACW		
3. <i>Solanum dulcamara</i>	50	Yes	FAC		
4. <i>Geum macrophyllum</i>	5	N	FACU		
5. <i>Convolvulus sp.</i>	<5	No	NI		
6.					
7.					
8.					
9.					
10.					
11.					
_____ = Total Cover					
Woody Vine Stratum (Plot size)				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
1.					
2.					
_____ = Total Cover					
% Bare Ground in Herb Stratum _____					
Remarks:					

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR 2/1	100					organic loam	
		100						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Loc: PL=Pore Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Other (explain in remarks)
<input checked="" type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input checked="" type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric soil present? Yes ☒ No ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply):

<input type="checkbox"/> Surface water (A1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Water-Stained Leaves (except MLRA 1, 2, 4A & 4B) (B9)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (explain in remarks)

Secondary Indicators (2 or more required):

<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A & 4B)
<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Frost-Heave Hummocks

Field Observations

Surface Water Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth (in): *
Water Table Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Depth (in): 12
Saturation Present? (includes capillary fringe)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Depth (in): surface

Wetland Hydrology Present? Yes ☒ No ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: * Small, narrow drainage located approximately 8" to east.